

Abstract

Wind machine with slanting blades

- 5 A wind machine mounted on a vertical mast (2) and having
a wind-driven turbine (1) co-operating with an alternator
to generate electrical power, this turbine (1) being
fitted with slanting blades (6) mounted on a large-
diameter hub (7) with a horizontal axis, the generators
10 of which are located along the trunk of a cone facing the
wind, characterised in that the alternator comprises, on
the one hand, a magnetic rotor (4) secured to the hub
(7), preferably on a level with the maximum available
diameter, and on the other hand a stator (5), adjacent to
15 the rotor (4), with magnetic coils distributed in a
partial or full circle, and secured to a stationary frame
(22) joined to an encircling hood (9) extending the hub
(7) coaxially, the blades (6) being shrouded in the
vicinity of their ends (55) by a relatively short,
20 divergent, circular fairing (8) mounted concentrically
with the hub (7).

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